AUTHOR INDEX TO VOLUME 12

Issue	*Page*		
5	311	Abe, Y.	Application of the HLISP program for the irreducible representatic matrix of the permutation groups and the partition function of the dilute linear Heisenberg chain.
1	17	Ardill, R.W.B.	The Bessel functions J0 and J1 of complex argument.
4	281	Aurela, A.M.	Counting a small number of radioactive atoms.
4	251	Banks, D.	Classical collisions of protons with hydrogen atoms.
4	271	Barnard, A.J.	FURI: a Fortran function writer.
4	251	Barnes, K.S.	Classical collisions of protons with hydrogen atoms.
3	157	Barrett, J.H.	Modelling displacement correlations in computer simulations of particle-solid collisions.
5	297	Benuzzi, A.	The computer code SEURBNUK-2 for fast reactor containment safety studies.
3	207	Bermudez, V.M.	ELLIPS: a Fortran simulation of a polarization-modulation ellipsometer.
5	317	Bichsel, H.	Limits of validity for the Vavilov energy straggling calculation.
4	247	Bishop, D.M.	The group-coordinate relaxation method for solving the generalized eigenvalue problem for large real-symmetric matrices.
1	49	Bleris, G.L.	A program for the study of short range order of binary alloys.
3	149	Bogolubsky, I.L.	Some examples of inelastic soliton interaction.
4	241	Bose, A.	Combinatorial computation of atomic terms for equivalent electrons
4	241	Bose, A.K.	Combinatorial computation of atomic terms for equivalent electrons
1	11	Bottcher, C.	Evaluation of molecular integrals involving continuum orbitals.
1	39	Brocklehurst, M.	Radio recombination lines from H+ regions and cold interstellar clouds: computation of the bn factors.
1	1	Calinon, R.	On the H-stability property and energy of Wigner lattices in the one component classical plasma: a numerical analysis.
5	297	Cameron, I.G.	The computer code SEURBNUK-2 for fast reactor containment safety studies.
5	363	Chan, S.K.	The computation of steady state arcs in nozzle flow.
4	247	Cheung, L.M.	The group-coordinate relaxation method for solving the generalized eigenvalue problem for large real-symmetric matrices.
3	203	Collocott, S.J.	Numerical solution of Kramers-Kronig transforms by a Fourier method.
2	101	Day, C.	A portable text editor.
2	147	Delves, L.M.	Book review.

Issue	Page		
2	81	De Mey, G.	Numerical solution of a drift-diffusion problem with special boundary conditions by integral equations.
1	71	Desclaux, J.P.	Erratum notice. A multiconfiguration relativistic Dirac-Fock program
3	167	Differt, K.	Computer simulation of correlated self-diffusion via randomly migrating vacancies in cubic crystals.
3	183	Differt, K.	Determination of correlation factor and NMR diffusion parameters from the computer-simulated random motion of vacancies in cubic crystals.
1	11	Docken, K.K.	Evaluation of molecular integrals involving continuum orbitals.
1	25	Dufton, P.L.	A program to calculate coronal emission line strengths.
4	233	Eastwood, J.W.	The solution of elliptic partial differential equations using number theoretic transforms with application to narrow or limited computer hardware.
2	141	Eisenstein, R.A.	Erratum. PIPIT: a momentum space optical potential code for pions.
5	363	Fang, M.T.C.	The computation of steady state arcs in nozzle flow.
3	231	Fischer, C.F.	Erratum notice. A new version of AAKF (reduced tensor matrix elements) adapted to spectroscopic notation.
1	11	Ford, A.L.	Evaluation of molecular integrals involving continuum orbitals.
5	323	Fowler, R.H.	FIFPC: a fast ion Fokker-Planck code.
5	411	Gasiot, J.	Simulation of thermally stimulated dipolar processes in dielectrics.
5	429	Grant, I.P.	Erratum notice. A general program to calculate angular momentum coefficients in relativistic atomic structure.
1	72	Graves-Morris, P.R.	Erratum notice. Calculation of Canterbury approximants.
5	297	Hankin, B.C.	The computer code SEURBNUK-2 for fast reactor containment safety studies.
2	117	Hicks, H.R.	Linear and nonlinear ideal MHD codes - V103.
4	251	Hughes, P.E.	Classical collisions of protons with hydrogen atoms.
3	157	Jackson, D.P.	Modelling displacement correlations in computer simulations of particle-solid collisions.
5	317	Jarmie, N.	Limits of validity for the Vavilov energy straggling calculation.
5	341	Jenkins, H.D.B.	Calculation of the first derivatives of Madelung constants with respect to cell lengths.
4	233	Jesshope, C.R.	The solution of elliptic partial differential equations using number theoretic transforms with application to narrow or limited computer hardware.
1	63	Kaczarowski, R.	A computer program for calculation of the Coriolis effect in odd-A nuclei.
5	311	Katsura, S.	Application of the HLISP program for the irreducible representation matrix of the permutation groups and the partition function of the dilute linear Heisenberg chain.

Issue	*Page*		
2	89	Konig, E.	Energy diagrams based on complete ligand field calculations for arbitrary point groups in strong-field coupling.
5	349	Konrad, A.	A linear accelerator cavity code based on the finite element meth
2	89	Kremer, S.	Energy diagrams based on complete ligand field calculations for arbitrary point groups in strong-field coupling.
5	411	Linkens, A.	Simulation of thermally stimulated dipolar processes in dielectrics.
3	183	Mehrer, H.	Determination of correlation factor and NMR diffusion parameter from the computer-simulated random motion of vacancies in cubic crystals.
1	1	Merlini, D.	On the H-stability property and energy of Wigner lattices in the one component classical plasma: a numerical analysis.
1	17	Moriarty, K.J.M.	The Bessel functions J0 and J1 of complex argument.
5	399	Morrow, R.A.	Monte Carlo integration program for the n-particle relativistic pha space integral in invariant variables.
5	430	Morton, K.W.	Book review.
1	9	Moscinski, J.	Monte Carlo computations of the order-disorder transition temperature on the lattice model of the binary bcc system.
3	225	Papaconstantopoulos, D.A.	Erratum notice. Calculation of crystal potentials.
5	411	Parot, P.	Simulation of thermally stimulated dipolar processes in dielectrics.
4	251	Percival, I.C.	Classical collisions of protons with hydrogen atoms.
1	57	Piacentini, R.D.	Multistate molecular treatment of atomic collisions in the impact parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line case.
4	295	Piacentini, R.D.	Erratum. Multistate molecular treatment of atomic collisions in t impact parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line
5	317	Pindzola, M.S.	Limits of validity for the Vavilov energy straggling calculation.
1	49	Polatoglou, Ch.	A program for the study of short range order of binary alloys.
5	341	Pratt, K.F.	Calculation of the first derivatives of Madelung constants with respect to cell lengths.
4	251	Richards, D.	Classical collisions of protons with hydrogen atoms.
3	231	Robb, W.D.	Erratum notice. A program to evaluate the reduced matrix elemer of summations of one-particle tensor operators.
1	72	Roberts, D.E.	Erratum notice. Calculation of Canterbury approximants.
5	381	Rogoschenko, L.A.	Computation of phonon spectrum from the cold neutron incoherer inelastic scattering by a polycrystal.
5	323	Rome, J.A.	FIFPC: a fast ion Fokker-Planck code.
1	9	Rycerz, Z.	Monte Carlo computations of the order-disorder transition temperature on the lattice model of the binary bcc system.
1	39	Salem, M.	Radio recombination lines from H+ regions and cold interstellar clouds: computation of the bn factors.

Issue	*Page*		
1	57	Salin, A.	Multistate molecular treatment of atomic collisions in the impact parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line case.
4	295	Salin, A.	Erratum. Multistate molecular treatment of atomic collisions in the impact parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line ca
5	311	Sampei, M.	Application of the HLISP program for the irreducible representation matrix of the permutation groups and the partition function of the dilute linear Heisenberg chain.
1	1	Sari, R.R.	On the H-stability property and energy of Wigner lattices in the one component classical plasma: a numerical analysis.
3	193	Saxena, K.M.S.	A new version of AAKL (the matrix elements of spin-orbit interaction) adapted to spectroscopic notation.
3	231	Saxena, K.M.S.	Erratum notice. A new version of AAKF (reduced tensor matrix elements) adapted to spectroscopic notation.
4	289	Saxena, K.M.S.	Adaptation of the new version of the reduced tensor matrix elemen (AAKP) program: inclusion of the evaluation of matrix elements of tensor products.
2	75	Schieve, W.C.	Pattern recognition in molecular dynamics.
3	225	Slaughter, W.R.	Erratum notice. Calculation of crystal potentials.
1	73	Smith, F.J.	Book review.
5	323	Smith, J.	FIFPC: a fast ion Fokker-Planck code.
5	381	Sokolovskij, T.D.	Computation of phonon spectrum from the cold neutron incoherent inelastic scattering by a polycrystal.
5	311	Suzuki, M.	Application of the HLISP program for the irreducible representation matrix of the permutation groups and the partition function of the dilute linear Heisenberg chain.
2	141	Tabakin, F.	Erratum. PIPIT: a momentum space optical potential code for pions.
4	251	Valentine, N.A.	Classical collisions of protons with hydrogen atoms.
5	411	Vanderschueren, J.	Simulation of thermally stimulated dipolar processes in dielectrics.
2	137	Violino, P.	Erratum notice. A program for computing level-crossings and the Back-Goudsmit effect.
2	107	Von Meerwall, E.D.	A Fortran program to simulate quadrupole-distorted NMR powder patterns.
5	421	Von Meerwall, E.D.	A Fortran program to collect histograms over microscopic scalar interactions.
5	371	Warburton, W.K.	DBLCON: a version of POSITRONFIT with non-Gaussian prompt for analysing positron lifetime spectra.
5	297	Warham, A.G.P.	The computer code SEURBNUK-2 for fast reactor containment safety studies.
4	251	Wilson, J.McB.	Classical collisions of protons with hydrogen atoms.

Issue	*Page*		
3	167	Wolf, D.	Computer simulation of correlated self-diffusion via randomly migrating vacancies in cubic crystals.
3	183	Wolf, D.	Determination of correlation factor and NMR diffusion parameter from the computer-simulated random motion of vacancies in cubi crystals.
2	117	Wooten, J.W.	Linear and nonlinear ideal MHD codes - V103.
5	363	Wright, R.D.	The computation of steady state arcs in nozzle flow.
5	297	Yerkess, A.	The computer code SEURBNUK-2 for fast reactor containment safety studies.
5	389	Zlokazov, V.B.	UPEAK: spectro-oriented routine for mixture decomposition.
2	75	Zurek, W.H.	Pattern recognition in molecular dynamics.

U·M·I

INCORRECT VOLUME NUMBER. SHOULD READ
VOLUME 13.

PROGRAM INDEX TO VOLUME 12

Astrophysics

Issue	*Page*	*Cat.no.*	
1	25	ACXE	AATWAB (Fortran). A program to calculate coronal emission line strengths. P.L. Dufton.
1	39	ACXI	GENERAL BN PROGRAM (Fortran). Radio recombination lines from H+ regio and cold interstellar clouds: computation of the bn factors. M. Brocklehurst and M. Salem.

Atomic Physics

1	57	ACXD	EIKON (Fortran). Multistate molecular treatment of atomic collisions in the imp parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line case. R.D. Piacentini and A. Salin. Subroutine required by this program is ACWJ 10(1975)223.
1	71	ACRV	000B CORRECTION 7/12/76 (Fortran). A multiconfiguration relativistic Dirac-Fock program. J.P. Desclaux.
2	137	ACRD	000A CORRECTION 27/1/77 (Fortran). A program for computing level-crossing and the Back-Goudsmit effect. P. Violino.
3	193	ACXL	SPINORBIT WEIGHTS 2 (Fortran). A new version of AAKL (the matrix eleme of spin-orbit interaction) adapted to spectroscopic notation. K.M.S. Saxena. Subroutines required by this program are ACQB 1(1969)15, ACRN 6(1973)88, AA 8(1974)151. See other version of this program AAKL 9(1975)102.
3	231	AAKP	000A CORRECTION 12/04/77 (Fortran). A new version of AAKF (reduced tens matrix elements) adapted to spectroscopic notation. C.F. Fischer and K.M.S. Sa
3	231	AAKF	000B CORRECTION 12/04/77 (Fortran). A program to evaluate the reduced matrix elements of summations of one-particle tensor operators. W.D. Robb.
4	251	ACXO	CLASSICAL P-H COLLISIONS (Fortran). Classical collisions of protons with hydrogen atoms. D. Banks, K.S. Barnes, P.E. Hughes, I.C. Percival, D. Richard N.A. Valentine and J.McB. Wilson.
4	289	AAKP	0001 ADAPT TENSOR 2 FOR PRODUCT (Fortran). Adaptation of the new version of the reduced tensor matrix elements (AAKP) program: inclusion of the evaluation of matrix elements of tensor products. K.M.S. Saxena. Subroutines required by this program are ACQB 1(1969)15, ACRN 6(1973)88, AAGD 1(1970)241, AAGD0001 2(1971)180, AAGD0002 5(1973)161. See other version of this program AAKF0001 11(1976)125.
5	371	AAGZ	DBLCON (Fortran). DBLCON: a version of POSITRONFIT with non-Gaussian prompt for analysing positron lifetime spectra. W.K. Warburton. See other ver of this program AAGK 3(1972)240.

Issue	Page	Cat.no.	
5	429	ACRJ	000B CORRECTION 2/02/77 (Fortran). A general program to calculate angular momentum coefficients in relativistic atomic structure. I.P. Grant.

General Purpose

1	17	ACWZ	BESSEL (Fortran). The Bessel functions J0 and J1 of complex argument. R.W.B. Ardill and K.J.M. Moriarty.
1	72	ACWF	000A CORRECTION 23/02/77 (Fortran). Calculation of Canterbury approximants. P.R. Graves-Morris and D.E. Roberts.
1	72	ACWG	000A CORRECTION 23/02/77 (Algol). Calculation of Canterbury approximants. P.R. Graves-Morris and D.E. Roberts.
2	101	ACXJ	STRING REPLACEMENT PROGRAM (Fortran). A portable text editor. C. Day.
4	271	ACXP	FURI (Fortran). FURI: a Fortran function writer. A.J. Barnard.

Molecular Physics

1	57	ACXD	EIKON (Fortran). Multistate molecular treatment of atomic collisions in the impact parameter approximation. II. Calculation of differential cross-sections from the transition amplitudes for the straight line case. R.D. Piacentini and A. Salin. Subroutine required by this program is ACWJ 10(1975)223.
5	389	ABAA	UPEAK (Fortran). UPEAK: spectro-oriented routine for mixture decomposition. V.B. Zlokazov.

Nuclear Physics

1	63	ABQF	CORIOL (Fortran). A computer program for calculation of the Coriolis effect in odd-A nuclei. R. Kaczarowski. Subroutine required by this program is ACWH 10(1975)343.
2	107	ABMW	HEQSIM2 (Fortran). A Fortran program to simulate quadrupole-distorted NMR powder patterns. E.D. von Meerwall.
4	281	AAUS	COUNTING FEW RADIOACTIVE ATOMS (Fortran). Counting a small number o radioactive atoms. A.M. Aurela.
5	349	ACSK	LINEAR ACCELERATOR CAVITY CODE (Fortran). A linear accelerator cavity code based on the finite element method. A. Konrad. Subroutine required by thi program is ACSF 9(1975)193.
5	371	AAGZ	DBLCON (Fortran). DBLCON: a version of POSITRONFIT with non-Gaussian prompt for analysing positron lifetime spectra. W.K. Warburton. See other versio of this program AAGK 3(1972)240.
5	389	ABAA	UPEAK (Fortran). UPEAK: spectro-oriented routine for mixture decomposition. V.B. Zlokazov.
5	399	AAWB	MCN (Fortran). Monte Carlo integration program for the n-particle relativistic phase space integral in invariant variables. R.A. Morrow.

Optics

3	203	ACMN	KRONIG (Fortran). Numerical solution of Kramers-Kronig transforms by a Fourie method. S.J. Collocott.

Issue	*Page*	*Cat.no.*	
3	207	ACXK	ELLIPS (Fortran). ELLIPS: a Fortran simulation of a polarization-modulation ellipsometer. V.M. Bermudez.

Plasma Physics

1	25	ACXE	AATWAB (Fortran). A program to calculate coronal emission line strengths. P.L. Dufton.
2	117	ABUQ	2LDV103 (PL/1). Linear and nonlinear ideal MHD codes - V103. H.R. Hicks ar J.W. Wooten.
2	117	ABUR	N3DV103 (PL/1). Linear and nonlinear ideal MHD codes - V103. H.R. Hicks a J.W. Wooten.
5	323	ABSD	FIFPC (Fortran). FIFPC: a fast ion Fokker-Planck code. R.H. Fowler, J. Smith J.A. Rome.
5	363	ABUS	DCANF (Fortran). The computation of steady state arcs in nozzle flow. M.T.C. Fang, S.K. Chan and R.D. Wright.

Solid State Physics

1	49	ACKN	SROCASE (Fortran). A program for the study of short range order of binary allc G.L. Bleris and Ch. Polatoglou.
2	107	ABMW	HEQSIM2 (Fortran). A Fortran program to simulate quadrupole-distorted NMR powder patterns. E.D. von Meerwall.
3	167	ACKO	RANDOM VACANCY MIGRATION (Fortran). Computer simulation of correlated self-diffusion via randomly migrating vacancies in cubic crystals. D. Wolf and K. Differt.
3	183	ACKO	0001 CORRELATION FACTOR AND NMR (Fortran). Determination of correlati factor and NMR diffusion parameters from the computer-simulated random motio of vacancies in cubic crystals. D. Wolf, K. Differt and H. Mehrer.
3	203	ACMN	KRONIG (Fortran). Numerical solution of Kramers-Kronig transforms by a Fouri method. S.J. Collocott.
3	225	ACID	000A CORRECTION 23/02/77 (Fortran). Calculation of crystal potentials. D.A. Papaconstantopoulos and W.R. Slaughter.
5	341	ACMO	MADELUNG DERIVATIVES (Fortran). Calculation of the first derivatives of Madelung constants with respect to cell lengths. H.D.B. Jenkins and K.F. Pratt.
5	381	ACXT	RESTOR 1 (Fortran). Computation of phonon spectrum from the cold neutron incoherent inelastic scattering by a polycrystal. T.D. Sokolovskij and L.A. Rogoschenko.
5	411	ACKP	TSP (Fortran). Simulation of thermally stimulated dipolar processes in dielectrics. A. Linkens, J. Vanderschueren, P. Parot and J. Gasiot.
5	421	ABMX	INTHIST2 (Fortran). A Fortran program to collect histograms over microscopic scalar interactions. E.D. von Meerwall.